What is claimed is:

1.   A method of providing cryptographic information and flow control, comprising:

determining a target domain from an IP address;

looking up an organization policy from a credential store;

looking up an algorithm and credentials specified for the target domain in a domain-credential map;

adding any further credentials that are provided and that are permitted by the organizational policy;

generating a working key;

receiving information in the form of a receive packet;

stripping any packet header from the receive packet and encrypting the remaining data;

retrieving key splits from the credential store;

combining the key splits to form a key-encrypting key;

encrypting the working key with the key-encrypting key;

encrypting a CKM header;

concatenating the encrypted CKM header to the beginning of the encrypted data to form transmit data;

concatenating the packet header and the transmit data to form a transmit packet; and

providing the transmit packet to a network interface card for transmission on a network.